AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended):

AAn yellow ink for inkjet recording, which

comprises:

an aqueous medium; and

at least two dyes, wherein the at least two dyes each independently has: a λmax of from 390 nm to 470 nm; a ratio of I (λ max + 70 nm) to I (λ max) of 0.4 or less, wherein 1(λ max + 70 nm) represents an absorbance at a wavelength of $\lambda max + 70$ nm and $I(\lambda max)$ represents an absorbance at a wavelength of λmax; and an oxidation potential higher than 1.0 V versus SCE, and

wherein at least one of the at least two dyes is a dye represented by formula (Y1):

 $(A_{11}-N=N-B_{11})$ n-L

wherein

A₁₁ and B₁₁ each independently represents a heterocyclic group that may be substituted; n is 1 or 2; and L represents a hydrogen atom, a monovalent substituent, a single bond, or a divalent linking group,

provided that when n is 1, L is a hydrogen atom or a monovalent substituent, and A_{II} and B₁₁ are both monovalent heterocyclic groups; and when n is 2, L is a single bond or a

divalent linking group, A11 is a monovalent heterocyclic group, and B11 is a divalent heterocyclic group; and wherein at least one of the at least two dyes is a dye represented by formulae (Y2) or (Y3):

Application No.: 10/576,941

(Y2) P-N=N-Q

wherein, P represents an aryl group that maybe substituted; and Q represents a

heterocyclic group that may be substituted,

(Y3) X-N=N-Y

wherein, X and Y each represents an aryl group that may be substituted.

2. (canceled).

3. (previously presented): The yellow ink for inkjet recording according to claim 1,

wherein a content of the dye represented by formula (Y1) is 50 % or more by weight with respect

to total amount of all dyes in the yellow ink.

4. (original): A black ink for inkjet recording, which comprises:

an aqueous medium; and

at least two dyes, wherein the at least two dyes each independently has: a λmax of from

500 nm to 700 nm; and a half-value width of 100 nm or more in an absorption spectrum of a

diluted solution, the absorption spectrum being standardized to have an absorbance of 1.0 at the

λmax,

wherein at least one of the at least two dyes has an oxidation potential higher than 1.0 V

versus SCE.

5. (original): The black ink for inkjet recording according to claim 4, which further

comprises a dye having a \lambda max of from 350 nm to 500 nm.

3

AMENDMENT UNDER 37 C.F.R. § 1.111

Application No.: 10/576,941

6. (previously presented): The black ink for inkjet recording according to claim 4, wherein at least one dye is a compound represented formula (B1):

Attorney Docket No.: Q94591

$$A_{41}-N=N-A_{42}-N=N=A_{43}$$

wherein A_{41} , A_{42} and A_{43} each independently represents an aromatic group or a heterocyclic group that may be substituted; A_{41} and A_{43} are monovalent groups; and A_{42} is a divalent group.

7. (previously presented): The black ink for inkjet recording according to claim 4, wherein at least one dye is a compound represented by formula (B2):

$$P-(N=N-Qx)y-N-N-R$$

wherein P, Q and R each represent an aromatic group that may be substituted; x is an integer of 1 or more; and y is an integer of 0 or more.

- 8. (original): The black ink for inkjet recording according to claim 7, wherein Q in formula (B2) is a polycyclic aromatic ring.
- 9. (currently amended): The black ink for inkjet recording according to claim 5, wherein the dye having the λmax of from 350 nm to 500 nm according to claim 6 is the a compound represented by formula (B1):

$$A_{41}-N=N-A_{42}-N=N=A_{43}$$
 (B1)

wherein A_{41} , A_{42} and A_{43} each independently represents an aromatic group or a heterocyclic group that may be substituted; A_{41} and A_{43} are monovalent groups; and A_{42} is a divalent group.

AMENDMENT UNDER 37 C.F.R. § 1.111

10. (currently amended): A magenta ink for inkjet recording, which comprises: a first dye; and a second dye having a different structure from the first dye, the first dye and the second dye each independently having an oxidation potential higher than 1.0 V versus SCE,

wherein the first dye is an azo dye comprising an azo group, each end of the azo group having a hetero ring; and the second dye is an anthrapyridone dye.

- 11. (canceled).
- 12. (currently amended): The magenta ink for inkjet recording according to claim 10, wherein the azo dye is a compound represented by formula (M1):

$$A_{31} - N = N$$
 R_{36}
 R_{36}
 R_{36}
 R_{36}
 R_{36}
 R_{36}
 R_{36}

wherein

A₃₁ represents a 5-membered heterocyclic ring;

 B_{31} and B_{32} each represents = CR_{31} - or - CR_{32} =, or either one of B_{31} and B_{32} represents a nitrogen atom while the other one represents = CR_{31} - or - CR_{32} =;

Application No.: 10/576,941

R₃₅ and R₃₆ each independently represents a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, an acyl group, an alkoxycarbonyl group, an aryloxycarbonyl group, a carbamoyl group, an alkylsulfonyl group, an arylsulfonyl group,

G₃, R₃₁ and R₃₂ each independently represents a hydrogen tom, a halogen atom, an aliphatic group, an aromatic group, heterocyclic group, a cyano group, a carboxyl group, a carbamoyl group, an alkoxycarbonyl group, an aryloxycarbonyl group, a heterocyclic oxycarbonyl group, an acyl group, a hydroxy group, an alkoxy group, an aryloxy group, a heterocyclic oxy group, a silyloxy group, an acyloxy group, a carbamoyloxy group, an alkoxycarbonyloxy group, an aryloxycarbonyloxy group, an amino group, an arylamino group, an heterocyclic amino group, an acylamino group, an ureido group, a sulfamoylamino group, an alkoxyoarbonylamino group, an aryloxycarbonylamino group, an alkylsulfonylamino group, an arylsulfonylamino group, an alkylsulfonyl group, an arylsulfonyl group, an alkylsulfonyl group, an arylsulfonyl group, a heterocyclic sulfonyl group, a sulfamoyl group, a sulfamoyl group, an alkylsulfinyl group, an aryl sulfinyl group, a heterocyclic sulfinyl group, a sulfamoyl group, a sulfo group or a heterocyclic thio group, each of which may be further substituted; and

R₃₁ and R₃₅, or R₃₅ and R₃₆ may be bonded to form a 5- or 6-membered ring.

13. (currently amended): The magenta ink for inkjet recording according to claim +10, wherein the anthrapyridone dye is a compound represented by formula (M2):

6

Application No.: 10/576,941

wherein

R represents a hydrogen atom, an alkyl group, a hydroxy-lower alkyl group, a cyclohexyl group, a mono or dialkylaminoalkyl group, or a cyano-lower alkyl group;

(M2)

Y represents: a chlorine atom; a hydroxyl group; an amino group; a mono or dialkylamino group in which the alkyl moiety may have a substituent selected from the group consisting of a sulfonic acid group, a carboxyl group and a hydroxyl group; an aralkylamino group; a cycloalkylamino group; an alkoxy group; a phenoxy group in which the benzene ring may have a substituent selected from the group consisting of a sulfonic acid group, a carboxyl group, an acetylamino group, an amino group and a hydroxyl group; an anilino group that may have one or two substituents selected from the group consisting of a sulfonic acid group and a carboxyl group; a naphthylamino group in which the naphthyl group may be substituted with a sulfonic acid group; or a mono or dialkylaminoalkylamino group;

X represents a crosslinking group; and

Z represents a hydrogen atom, an alkali metal element, an alkaline earth metal element, an alkylamino group, an alkanolamino group, or an ammonium group.

AMENDMENT UNDER 37 C.F.R. § 1.111

Application No.: 10/576,941

14. (currently amended): An ink set for inkjet recording, which comprises at least one of:

Attorney Docket No.: Q94591

an yellow ink, comprising:

an aqueous medium; and

at least two dyes, wherein the at least two dyes each independently has: a λ max of from 390 nm to 470 nm; a ratio of I (λ max + 70 nm) to I (λ max) of 0.4 or less, wherein $\frac{1(\lambda max + 70 \text{ nm})}{1(\lambda max)}$ represents an absorbance at a wavelength of λ max + 70 nm and $\frac{1(\lambda max)}{1(\lambda max)}$ represents an absorbance at a wavelength of λ max; and an oxidation potential higher than 1.0 V versus SCE,

wherein at least one of the at least two dyes is a dye represented by formula (Y1):

$$(A_{11}-N=N-B_{11})$$
 n-L

wherein

A₁₁ and B₁₁ each independently represents a heterocyclic group that may be substituted; n is 1 or 2; and L represents a hydrogen atom, a monovalent substituent, a single bond, or a divalent linking group, provided that when n is 1, L is a hydrogen atom or a monovalent substituent, and A₁₁ and B₁₁ are both monovalent heterocyclic groups; and when n is 2, L is a single bond, or a divalent linking group, A₁₁ is a monovalent heterocyclic group, and B₁₁ is a divalent heterocyclic group; according to claim-1, a black ink, comprising:

an aqueous medium; and

at least two dyes, wherein the at least two dyes each independently has: a λmax of from 500 nm to 700 nm; and a half-value width of 100 nm or more in an absorption

Application No.: 10/576,941

spectrum of a diluted solution, the absorption spectrum being standardized to have an absorbance of 1.0 at the λ max,

wherein at least one of the at least two dyes has an oxidation potential higher than 1.0 V versus SCE; according to claim 4, and

a magenta ink, comprising:

a first dye; and a second dye having a different structure from the first dye, the

first dye and the second dye each independently having an oxidation potential higher than

1.0 V versus SCE,

wherein the first dye is an azo dye comprising an azo group, each end of the azo group having a hetero ring according to claim 10.

15. (currently amended): An ink set for inkjet recording, which comprises at least two magenta inks each independently comprising a dye having an oxidation potential higher than 1.0 V versus SCE,

wherein at least one of the at least two magenta inks comprises a dye represented by formula (M2):

Application No.: 10/576,941

wherein,

R represents a hydrogen atom, an alkyl group, a hydroxy-lower alkyl group, a cyclohexyl group, a mono or dialkylaminoalkyl group, or a cyano-lower alkyl group;

Y represents a chlorine atom; a hydroxyl group; an amino group; a mono or dialkylamino group in which the alkyl moiety may have a substituent selected from the group consisting of a sulfonic acid group, a carboxyl group and a hydroxyl group; an aralkylamino group; a cycloalkylamino group; an alkoxy group; a phenoxy group in which the benzene ring may have a substituent selected from the group consisting of a sulfonic acid group, a carboxyl group, an acetylamino group, an amino group and a hydroxyl group; an anilino group that may have one or two substituents selected from the group consisting of a sulfonic acid group and a carboxyl group; a naphthylamino group in which the naphthyl group may be substituted with a sulfonic acid group; or a mono or dialkylaminoalkylamino group;

X represents a crosslinking group; and

Z represents a hydrogen atom, an alkali metal element, an alkaline earth metal element, an alkylamino group, an alkanolamino group, or an ammonium group; wherein

Application No.: 10/576,941

one magenta ink comprises an azo dye comprising: an azo group; and hetero rings bonding to both ends of the azo group, and

the other magenta ink comprises a dye having a structure other than the azo dye.

16. (canceled).

17. (currently amended): The ink set for inkjet recording according to claim 15, wherein at least one of the at least two magenta inks comprises a dye represented by formula (M1):

$$A_{ij} = B_{31} \qquad R_{35}$$

$$A_{ij} = N \qquad N$$

$$R_{36}$$

$$G_{ij} \qquad (M1)$$

wherein,

A₃₁ represents a 5-membered heterocyclic ring;

 B_{31} and B_{32} each represents = CR_{31} - or - CR_{32} =, or either one of B_{31} and B_{32} represents a nitrogen atom while the other one represents = CR_{31} - or - CR_{32} =;

R₃₅ and R₃₆ each independently represents a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, an acyl group, an alkoxycarbonyl group, an aryloxycarbonyl group, a carbamoyl group, an alkylsulfonyl group, an arylsulfonyl group,

G₃, R₃₁ and R₃₂ each independently represents a hydrogen tom, a halogen atom, an aliphatic group, an aromatic group, heterocyclic group, a cyano group, a carboxyl group, a carboxyl group, a carboxyl group, an alkoxycarbonyl group, an aryloxycarbonyl group, a heterocyclic oxycarbonyl group, an acyl group, a hydroxy group, an alkoxy group, an aryloxy group, a

Application No.: 10/576,941

heterocyclic oxy group, a silyloxy group, an acyloxy group, a carbamoyloxy group, an alkoxvcarbonyloxy group, an aryloxycarbonyloxy group, an amino group, an arylamino group, a heterocyclic amino group, an acylamino group, an ureido group, a sulfamoylamino group, an alkoxvoarbonylamino group, an aryloxycarbonylamino group, an alkylsulfonylamino group, an arylsulfonylamino group, a heterocyclic sulfonylamino group, an alkylsulfonyl group, an arylsulfonyl group, an arylsulfonyl group, a heterocyclic sulfonyl group, an alkylsulfinyl group, an arylsulfonyl group, a heterocyclic sulfonyl group, a sulfamoyl group, a sulfamoyl group, a sulfo group or a heterocyclic thio group, each of which may be further substituted; and

R31 and R35, or R35 and R36 may be bonded to form a 5- or 6-membered ring

R₃₁ and R₃₅, or R₃₅ and R₃₆ may be bonded to form a 5- or 6-membered ring according to claim 12.

18. (canceled).

19. (currently amended): The An ink set for inkjet recording which comprises at least two magenta inks each independently comprising a dye having an oxidation potential higher than 1.0 V versus SCE, wherein one magenta ink comprises an azo dye comprising: an azo group; and hetero rings bonding to both ends of the azo group, and

the other magenta ink comprises a dye having a structure other than the azo dye, and according to claim 15, wherein at least one of the at least two magenta inks comprises: a dye represented by formula (M1):

Application No.: 10/576,941

wherein,

A₃₁ represents a 5-membered heterocyclic ring;

 B_{31} and B_{32} each represents = CR_{31} - or - CR_{32} =, or either one of B_{31} and B_{32} represents a nitrogen atom while the other one represents = CR_{31} - or - CR_{32} =;

R₃₅ and R₃₆ each independently represents a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, an acyl group, an alkoxycarbonyl group, an aryloxycarbonyl group, a carbamoyl group, an alkylsulfonyl group, an arylsulfonyl group,

G₃, R₃₁ and R₃₂ each independently represents a hydrogen tom, a halogen atom, an aliphatic group, an aromatic group, heterocyclic group, a cyano group, a carboxyl group, a carboxyl group, a carboxyl group, a heterocyclic oxycarbonyl group, an alkoxycarbonyl group, an aryloxycarbonyl group, an aryloxy group, a heterocyclic oxy group, a silyloxy group, an acyloxy group, an amino group, an aryloxycarbonyloxy group, an aryloxycarbonylamino group, an alkoxvoarbonylamino group, an aryloxycarbonylamino group, an alkylsulfonylamino group, an arylsulfonylamino group, an alkylsulfonyl group, an arylsulfonyl group, an alkylsulfonyl group, an arylsulfonyl group, an alkylsulfinyl group, an aryl sulfinyl group, a heterocyclic sulfinyl group, a sulfamoyl group, a sulfamoyl group, a sulfo group or a heterocyclic thio group, each of which may be further substituted; and

Application No.: 10/576,941

R₃₁ and R₃₅, or R₃₅ and R₃₆ may be bonded to form a 5- or 6-membered ring; and a dye represented by formula (M2):

wherein,

R represents a hydrogen atom, an alkyl group, a hydroxy-lower alkyl group, a cyclohexyl group, a mono or dialkylaminoalkyl group, or a cyano-lower alkyl group;

Y represents a chlorine atom; a hydroxyl group; an amino group; a mono or dialkylamino group in which the alkyl moiety may have a substituent selected from the group consisting of a sulfonic acid group, a carboxyl group and a hydroxyl group; an aralkylamino group; a cycloalkylamino group; an alkoxy group; a phenoxy group in which the benzene ring may have a substituent selected from the group consisting of a sulfonic acid group, a carboxyl group, an acetylamino group, an amino group and a hydroxyl group; an anilino group that may have one or two substituents selected from the group consisting of a sulfonic acid group and a carboxyl group; a naphthylamino group in which the naphthyl group may be substituted with a sulfonic acid group; or a mono or dialkylaminoalkylamino group;

X represents a crosslinking group; and

Application No.: 10/576,941

Z represents a hydrogen atom, an alkali metal element, an alkaline earth metal element, and alkaline earth element, an alkaline earth element, and alkaline element element, and alkaline element ele